

# F55

## Invitation to excellence

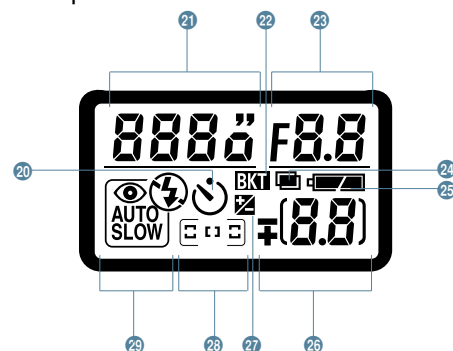
- Easy operation with exposure mode select dial and Command Dial with large top deck LCD panel
- Nikon's exclusive three-area autofocus sensor (Multi-CAM 530 sensor)
- Dynamic AF and Lock-On™ autofocus operation
- Nikon's exclusive 3D Matrix Metering using five-segment Matrix sensor
- Built-in auto pop-up Speedlight with 28mm lens coverage and guide number of 12/39 (ISO 100, m/ft.)
- Matrix Balanced Fill-Flash for automatic balanced exposure of both foreground subject and background
- AUTO mode for fully automatic control
- Vari-Program includes five versatile program modes
- Built-in AF-Assist Illuminator
- F55D offers data imprinting



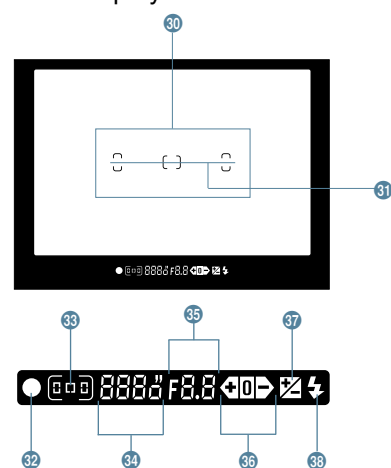
Nikon F55 is sold as Nikon N55 in the U.S.



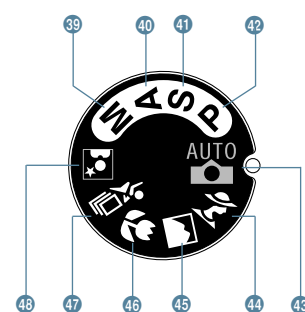
#### LCD panel



#### Viewfinder display



#### Mode dial



- |   |   |   |   |
|---|---|---|---|
| 1 Shutter release button  | 12 Self-timer/AF-Assist Illuminator/ Red-Eye Reduction lamp | 25 Battery power  | 37 Exposure compensation                          |
| 2 Aperture/Exposure compensation/ Film rewind button            | 13 Camera back lock release                                 | 26 Frame counter/Exposure compensation value                      | 38 Flash ready-light/Flash recommended indication |
| 3 Self-timer button   | 14 Film confirmation window                                 | 27 Exposure compensation  | 39 Manual   |
| 4 Focus area button   | 15 Rubber eyecup  | 28 Focus area   | 40 Aperture-Priority Auto                         |
| 5 LCD panel   | 16 Diopter adjustment lever                                 | 29 Flash sync. mode   | 41 Shutter-Priority Auto                          |
| 6 Exposure mode dial  | 17 Command Dial   | 30 Center Partial Metering area                                   | 42 Auto-Multi Program                             |
| 7 Flash lock release/Flash sync. mode button                    | 18 Tripod socket  | 31 Focus area (focus brackets)                                    | 43 AUTO   |
| 8 Auto Exposure Bracketing/Multiple exposure/Film rewind button | 19 Battery chamber cover lock release lever                 | 32 Focus indicator  | 44 Portrait                                       |
| 9 Lens release button   | 20 Self-timer   | 33 Focus area   | 45 Landscape                                      |
| 10 Focus mode selector  | 21 Shutter speed  | 34 Shutter speed  | 46 Close-Up                                       |
| 11 Power switch   | 22 Auto Exposure Bracketing                                 | 35 Aperture   | 47 Sports Continuous                              |
|   | 23 Aperture   | 36 Electronic analog exposure/Exposure compensation value display | 48 Night Portrait                                 |
|   | 24 Multiple exposure  |   |   |

**Type of camera:** Integral-motor autofocus 35mm single-lens reflex with electronically controlled focal-plane shutter and built-in Speedlight

**Exposure modes:** : AUTO mode; Vari-Program modes (: Portrait, : Landscape, : Close-Up, : Sports Continuous, : Night Portrait); **P**: Auto-Multi Program (Flexible Program possible); **S**: Shutter-Priority Auto; **A**: Aperture-Priority Auto; **M**: Manual

**Picture format:** 24 x 36mm (standard 35mm film format)

**Lens mount:** Nikon F mount (with AF coupling, AF contacts)

**Lens:** AF Nikkor and AI-P Nikkor lenses (except AF Nikkor for F3AF, DX Nikkor and IX-Nikkor)

**Viewfinder:** Fixed eyepentaprism type; built-in diopter adjustment (-1.5 to +0.8m<sup>-1</sup>)

**Eyepoint:** 17mm (at -1.0m<sup>-1</sup>)

**Focusing screen:** B-type Clear Matte Screen V with focus brackets

**Viewfinder frame coverage:** Approx. 89%

**Finder magnification:** Approx. 0.68-0.60x with 50mm lens set to infinity (at -1.5 to +0.8m<sup>-1</sup>)

**Viewfinder information (with illuminator):** Focus indications, focus area, shutter speed, aperture, electronic analog exposure display/exposure compensation value display, exposure compensation, flash ready-light/flash recommended/full flash output; three sets of focus brackets (area)

**Reflex mirror:** Automatic, instant-return type

**Lens aperture:** Instant-return type

**Autofocus:** TTL phase detection, Nikon Multi-CAM530 autofocus module with AF-Assist Illuminator (approx. 0.5m-3m/1.6 ft.-9.8 ft.); detection range: EV -1 to EV 19 (ISO 100)

**Lens servo:** **AF**: Auto-Servo AF: camera automatically chooses Single Servo AF or Continuous Servo AF operation according to the subject status, i.e. stationary or moving (including directional information); Single Servo AF (focus is locked when the subject is in focus); Continuous Servo AF (camera continues to focus on a moving subject); Focus Tracking with Lock-On™ automatically activated by subject's status  
**M**: Manual focus

**Focus area:** One of three focus areas can be selected

**Focus Area mode:** Dynamic AF Mode with Closest-Subject Priority; Dynamic AF Mode; Single Area with **M** focus mode

**Metering system:** TTL full-aperture exposure metering system; three metering systems selectable (limitations with lens used): 3D five-segment Matrix Metering with G- or D-type AF Nikkor; Five-segment Matrix Metering with AF Nikkor other than G- or D-type (except AF Nikkor for F3AF, DX Nikkor and IX-Nikkor), AI-P Nikkor; Center Partial Metering: automatically selected with Manual exposure mode

**Metering range:** EV 1-20 (ISO 100, f/1.4 lens)

**Exposure meter coupling:** CPU

**Exposure compensation:** Exposure compensated in ±2 EV range, in 1/2 steps (except in **M**, or Programmed Flash)

**Auto Exposure Bracketing:** Bracketing range: ±2 EV; number of shots: three; bracketing steps: 0.5, 1, 1.5 or 2 EV (except in or Vari-Program)

**Film speed setting:** Automatically set to ISO film speed of DX-coded film in use (manual not selectable); film speed range: DX: ISO 25-5000, automatically set to ISO 100 with non-DX-coded film

**Shutter:** Electronically controlled vertical-travel focal-plane shutter

**Shutter speeds:** In , , , , , **P**, **A**: automatically set between 30 and 1/2000 s; in **S**: 30 to 1/2000 s (in 1/2 steps); in **M**: 30 to 1/2000 s (in 1/2 steps), Time

**Sync. contact:** X-contact only; flash synchronization up to 1/90 s

**Built-in Speedlight:** In , Vari-Program (except in or ): automatically activated; in **P**, **S**, **A**, **M**: activated by pressing flash lock-release button; guide number: 12/39 (at ISO 100, m/ft.); flash coverage: 28mm or longer lens; film speed range: ISO 25 to ISO 800

**Flash control:** Controlled by TTL Sensor; Matrix Balanced Fill-Flash: built-in Speedlight and CPU Nikkor lens (except in Manual exposure mode); Standard TTL: in Manual exposure mode; Programmed Flash (Non-TTL Auto Flash): optional Speedlight and CPU Nikkor lens (except in A or M exposure mode); film speed range in TTL auto flash: ISO 25 to 800.

**Flash sync. mode:** Front-Curtain Sync. (normal sync.), Slow Sync., Red-Eye Reduction, Red-Eye Reduction with Slow Sync., Flash Cancel

**Ready-light:** Flash fully charged: ready-light lights; full output warning: ready-light blinks

**Flash recommended indication:** Blinks when the subject is dark or backlit and Speedlight is recommended in **P**, **S**, **A** and **M**

**Accessory shoe:** Standard ISO-type hot-shoe contact (sync. contact, ready-light contact, GND), safety lock provided

**Self-timer:** Electronically controlled; timer duration: 10 seconds

**Film loading:** Easy loading, automatic rewind with built-in motor; film automatically advances to first frame (frame of the maximum number of available exposure) when camera back is closed

**Film advance:** Automatic advance with built-in motor; continuous shooting possible in Sports Continuous mode; film advance speed: approx. 1.5 fps (fresh batteries)

**Film rewind:** Automatic rewind with built-in motor; mid-roll rewind available

**Multiple exposure:** Selectable in **P**, **S**, **A**, **M**

**LCD panel information:** Shutter speed, aperture, exposure compensation, exposure compensation value, Auto Exposure Bracketing, multiple exposure, flash sync. mode, focus area, battery power, frame counter, self-timer

**Date/time imprint function:** Built-in clock: 24-hour type with timing accuracy within ±90 seconds a month; leap year adjustment until December 31, 2049; usable film: ISO 32 to 3200 DX-coded film; display mode: Year/Month/Day, Day/Hour/Minute, No Imprint, Month/Day/Year and Day/Month/Year; power source: one 3V CR2025 lithium battery; battery life: approx. three years (depending upon use of data imprint function and other operating conditions)

**Camera back:** Hinged back with film confirmation window; F55D: data imprint LCD panel/buttons

**Power source:** Two 3V CR2 lithium batteries

**Power switch:** Power ON and OFF positions

**Exposure meter:** Auto meter shut-off 5 seconds after power turned on if no operations are performed; activated by lightly pressing shutter release button after power is turned on

**Battery power confirmation:** In LCD panel, with exposure meter on; for sufficient power; indicates batteries are nearing exhaustion; blinking indicates batteries are just about exhausted

Usable number of 36-exposure (24-exposure) film rolls per set of two fresh 3V lithium batteries:	At 20°C/68°F	At -10°C /14°F
Without flash	Approx. 45 (67)	Approx. 27 (40)
With flash and AF-Assist Illuminator for half of all exposures	Approx. 11 (16)	Approx. 7 (10)

Autofocus operation using an AF Zoom-Nikkor 28-80mm f/3.3-5.6G lens, covering the full range from infinity (∞) to the closest distance and back to infinity (∞) before each shot, with a shutter speed of 1/90 s or faster.

**Tripod socket:** 1/4 (diameter, JIS standard)

**Dimensions (W x H x D):** F55: Approx. 129 x 92 x 65mm (5.1 x 3.6 x 2.6 in.); F55D: Approx. 129 x 92 x 67.5mm (5.1 x 3.6 x 2.7 in.)

**Weight (without batteries):** F55: Approx. 350g (12.3 oz.); F55D: Approx. 360g (12.7 oz.)

**Optional exclusive accessory:** Soft case CF-62

All specifications apply when fresh batteries are used at normal temperature (20°C/68°F).  
Specifications and design are subject to change without any notice  
or obligation on the part of the manufacturer. December 2005  
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